

**ABSTRACT**

**[1081]** Methods and apparatus for estimating maximum rate of data and for estimating a transmission power required for transmission of a data with a rate of data in a communication system are disclosed. A terminal determines a quality metric of a communication link, over which data are to be transmitted, and modifies the determined quality metric by a quality metric margin. The terminal then estimates the maximum rate of data in accordance with the modified quality metric. Alternatively, the terminal then estimates transmission power required for transmission of a data with a rate of data in accordance with the rate of data and the modified quality metric. The quality metric margin may be a pre-determined or dynamically adjusted. The terminal dynamically adjusts the quality metric margin in accordance with a result of comparison of a transmit power corresponding to the estimated maximum rate of data with an actual transmit power used to transmit the data.

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